

REMARKS/ARGUMENTS

1. Rejection of claims 1-6 under 35 U.S.C. 102(e):

Claims 1-6 are rejected under 35 U.S.C. 102(e) as being anticipated by Ginzburg et al. (US 2005/0053037).

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Response:

Independent claims 1 and 4 have been amended to clarify the claim language. Claim 1 now recites the step of “converting each received piece of frame data into a MAC protocol data unit (MPDU) and outputting the MPDU, wherein for at least one of the plurality of pieces of frame data, converting begins prior to having received all of the plurality of pieces of frame data of the MSDU.” This amendment and all other claim amendments are fully supported in paragraphs [0023] and [0025] of the specification as well as Figure 7 of the drawings. No new matter is added. The present invention has the advantage of not having to wait until all pieces of frame data of an MSDU are received before converting each piece of frame data into an MPDU.

Ginzburg teaches in paragraph [0011] that the term “fragmentation” means breaking MSDUs into MPDUs for improving the reliability of transmission. Ginzburg also teaches in paragraph [0021] that the controller 34 is capable of adjusting the data rate of transmissions, and is capable of fragmenting data frames to be transmitted.

However, Ginzburg does not suggest that converting pieces of frame data contained in an MSDU into MPDUs begins prior to receiving all pieces of frame data of an MSDU. As a result, Ginzburg fails to teach all of the limitations contained in the currently amended claim 1.

Claim 4, like claim 1, recites that “the control circuit is configured to begin converting at least one received piece of frame data into a corresponding MPDU

prior to having received all of the plurality of pieces of frame data of the MSDU.” Since Ginzburg does not teach or suggest this limitation, claim 4 is also patentable over Ginzburg.

5 Furthermore, claims 2-3 and 5-6 are dependent on claims 1 and 4, and should be allowed if their respective base claims are allowed. Reconsideration of claims 1-6 is therefore respectfully requested.

2. Introduction to new claim 7:

10 New claim 7 recites that a controller begins converting at least one received piece of data into a corresponding MPDU prior to having received all of the plurality of pieces of data of the MSDU.

15 Since Ginzburg does not teach all of the claimed limitations of claim 7, claim 7 should be patentable over the cited prior art. Consideration of claim 7 is respectfully requested.

20 In view of the claim amendments and the above arguments in favor of patentability, the applicant respectfully requests that a timely Notice of Allowance be issued in this case.

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Sincerely yours,

Winston Hsu

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